



PRODUCT DATA SHEET C6338

4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

Features:

Directivity:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 80 - 1000 MHzPower: 2500 W CWCoupling: $50 \pm 1.0 \text{ dB Max}$.
Insertion Loss: 0.1 dB Max.
Flatness: $\pm 0.3 \text{ dB Max}$.
VSWR (ML): 1.20:1 Max.

Mechanical Specifications:

Type: Connectorized Aluminum 6061-T6

20 dB Min.

Surface Finish: Chem. Film Per MIL-DTL-5541F Type I

Class 3 (Yellow Iridite) RoHS Compliant

Available

Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Humidity: 95% Non-Condensing

Size: 3.0 x 3.0 x 1.59"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6338-20	7/16 Female	7/16 Female	N Female	N Female
C6338-22	7/16 Female	7/16 Female	SMA	SMA
C6338-23	7/16 Female	7/16 Female	BNC	BNC
C6338-41*	SC Female	SC Female	N Female	N Female
C6338-43*	SC Female	SC Female	SMA	SMA
C6338-73	7/8" EIA	7/8" EIA	SMA	SMA
C6338-627	7/16 Female	7/16 Male	N Female	N Female
C6338-727	7/16 Male	7/16 Female	N Female	N Female
C6338-728	7/16 Male	7/16 Female	SMA	SMA

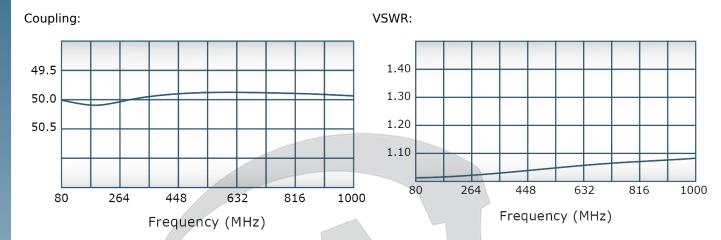
(SC-F Main Line connector option decreases size to 3.0 x 3.0 x 1.09")



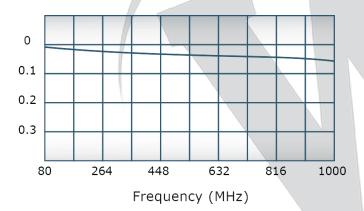


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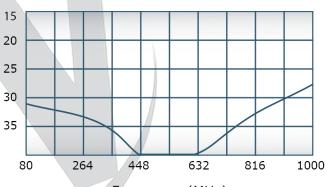
Performance Data (Specifications subject to change without notice):



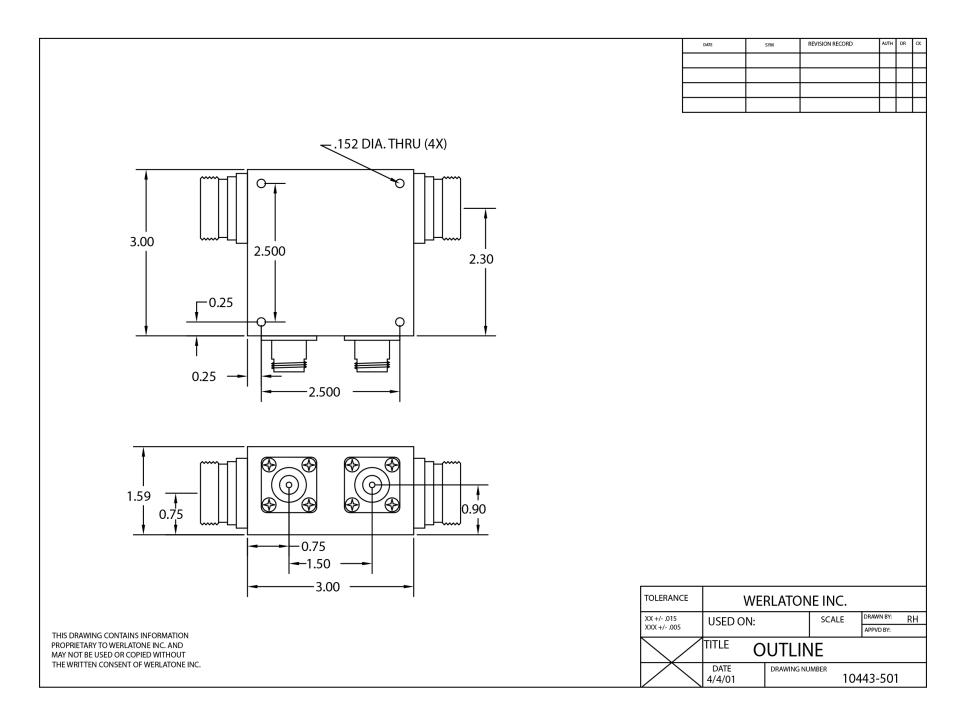




Directivity:



Frequency (MHz)



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